

# The Ideal AMD Geode™ Solution for Virtually Every Application



AMD Geode™ Solutions have been uniquely designed to provide the ideal solution for a variety of uses. With high-performance and energy-saving processors, the complete AMD Geode™ system platforms are well suited for applications ranging from thin client and POS terminals to home media servers, entertainment gateways, kiosks and mobile devices.

## System Platforms / Development Boards

		Processor							OS Support Note 3	Video Output			I/O Connectors													Typical Kit Contents									
AMD Geode™ Product Name	Availability	SC1100	SC1200/SC1201	SC2200	SC3200	GX1 with CS5530A Note 8	GX 533@1.1W with CS5535	NX 1500 @6W	NX 1750 @14W	Microsoft® Windows® XP/XPe	Microsoft Windows CE 4.2	Linux 2.4.x	CRT	TFT	TV-Out	Audio Out Channels Note 1			USB	PCI Slots	LPC Slots	Super I/O on Board	Ethernet on Board	Power	Serial ATA	IDE UMA-133	Serial	PS/2 Keyboard/Mouse	Parallel	IrDa	Standard Documentation	5V to 3.3V PCI Card	TFT Interface Card	LPC Card with Super I/O	PCI Ethernet Card
SP4SC40	Now	✓									✓	✓	Note 4			2	3	4	1				ATX								✓	✓	✓	✓	✓
SP4SC31 Note 2	Now		✓	✓	✓						✓	✓	✓	✓	✓		2	3	2	1			ATX								✓	✓	✓	✓	✓
SP4GX10	Limited					✓						✓	✓	✓		2	2	2		1	1	ATX									✓	✓	✓		
SP4GX22-TC Note 9	Limited						✓			✓	✓	✓	✓			5	4	2/4 Note 5	1			ATX									✓	✓		✓	✓
SP4GX22-TT Note 9	Limited						✓			✓	✓	✓		✓		5	4	2/4 Note 5	1			ATX									✓	✓	✓	✓	✓
GX DB533-TC	Now						✓			✓	✓	✓	✓			5	4	2/4 Note 5	1			ATX									✓				
GX DB533-TT	Now						✓			✓	✓	✓		✓		5	4	2/4 Note 5	1			ATX									✓		✓		
NX DB1500	Now							✓	✓	✓	✓	✓	✓			6	4 Note 7	1		1		1	ITX	2	1	1	1	1	1		✓				



## x86 Architecture

The x86 architecture enables Internet compatibility and fast time-to-market. With over 300 Web plug-ins written to run exclusively on x86 processors, AMD Geode™ processors provide a proven platform and Web experience unattainable with non-x86 based architectures.

## Processors

Processor	200MHz	233MHz	266MHz	300MHz	333MHz	366MHz	400MHz	1GHz	1.4GHz
GX 533@1.1W*/CS5535					✓	✓	✓		
GX1/CS5530A	✓	✓	✓	✓	✓				
NX 1500 @6W**								✓	
NX 1750 @14W†									✓
SC1100 TEPBGA Note 6		✓	✓						
SC1200 EBGA			✓						
SC1200 TEPBGA Note 6			✓						
SC1201 EBGA			✓						
SC1201 TEPBGA Note 6			✓						
SC2200 EBGA			✓	✓					
SC2200 TEPBGA Note 6		✓	✓	✓					
SC3200 EBGA			✓						
SC3200 TEPBGA Note 6		✓	✓						

## Notes:

1. All others are mono microphone and stereo headphone out. AMD Geode SP4GX22 system platform has digital audio output with 5.1 output capability.
2. For AMD Geode SP4SC31 system platform, video output is limited to one output at a time.
3. OS support typically includes BIOS and drivers for audio, display and bootloader if required.
4. Kit includes VGA graphics card on PCI bus.
5. 2@366MHz; 4@333MHz
6. TEPBGA is the preferred package for the single-chip processors.
7. The AMD Geode NX DB1500 includes USB 2.0.
8. AMD no longer recommends new designs with the GX1.
9. SP4GX22 should only be used by customers requiring a great deal of flexibility on plug-in cards and power measurement.

\*This processor operates at 400MHz. Model numbers reflect performance as described here:  
<http://www.amd.com/connectivitysolutions/geodegxbenchmark>.

\*\*This processor operates at 1GHz. Model numbers reflect performance as described here:  
<http://www.amd.com/connectivitysolutions/geodenxbenchmark>.

†This processor operates at 1.4GHz. Model numbers reflect performance as described here:  
<http://www.amd.com/connectivitysolutions/geodenxbenchmark>.

© 2004 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, and combinations thereof, and Geode are trademarks of Advanced Micro Devices, Inc. Microsoft and Windows are registered trademarks of Microsoft Corporation in the U.S. and/or other jurisdictions. Other product and company names used in this publication are for identification purposes only and may be trademarks of their respective companies.